Title (en)

ADAPTIVE RESOURCE MANAGEMENT FOR MULTI-SCREEN VIDEO APPLICATIONS OVER CABLE WI-FI NETWORKS

Title (de)

ADAPTIVE BETRIEBSMITTELVERWALTUNG FÜR MEHRBILDSCHIRM-VIDEOANWENDUNGEN ÜBER KABEL-WIFI-NETZWERKE

Title (fr)

GESTION ADAPTATIVE DE RESSOURCES POUR DES APPLICATIONS VIDÉO MULTI-ÉCRAN SUR DES RÉSEAUX À CÂBLE WIFI

Publication

EP 2954662 B1 20190508 (EN)

Application

EP 14722440 A 20140313

Priority

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- US 2014026891 W 20140313

Abstract (en)

[origin: US2014269314A1] Combining network and client based adaptive streaming approaches enable a distributed and adaptive resource management system for carrier quality video transmission over cable Wi-Fi systems. The adaptive resource management over cable Wi-Fi heterogeneous networks includes a network based approach using client based feedback. The resource management of a video stream is performed on a service provider's network, for example in a cable modem termination system, by evaluating a margin and a fairness index. In embodiments, the rate of a video stream to a requesting client is adjusted and, in embodiments, the rate of a video stream for non-requesting clients is adjusted. Embodiments include mechanisms for call admission control and adaptive streaming based on adjustable resource margins and fairness indices for DOCSIS and Wi-Fi hetnet systems.

IPC 8 full level

H04L 29/06 (2006.01); **H04L 12/825** (2013.01)

CPC (source: EP US)

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